Author Index

ALDENBORG F., FALL M. & ENERBÄCK L. Proliferation and transepithelial migration of mucosal mast cells in interstitial cystitis, 411
ALESSI A. *see* ROMAGNANI S.
ALMERIGOGNA F. *see* ROMAGNANI S.
ALOBAIDI H.M. *see* WILLIAMS J.D.
ANDREW E.M. & PARKHOUSE R.M.E. Immune induction of Ia antigens in activated T cells and in kidney epithelial cells in mice, 603
ARVIEUX J., JEFFERIES W.A., PATERSON D., WILLIAMS A.F. & GREEN J.R. Monoclonal antibodies against a rat leucocyte antigen block antigen-induced T-cell responses via an effect on accessory cells, 337
ASKENASE P.W. *see* DENBURG J.A.
ASKONAS B.A. *see* TAYLOR P.M.

BACA M.E. *see* MOWAT A.McI.
BAKOUCHE O. & GERLIER D. Enhancement of immunogenicity of tumour virus antigen by liposomes: the effect of lipid composition, 507
BALDWIN C.L. *see* ELLIS J.A.
BELL E.B. *see* BIRCH M.
BELL S.C. *see* WAITES G.T.
BENAISSA-TROUW B.J. *see* BOERE W.A.M.
BENSAID A. *see* ELLIS J.A.
BERGDOLL M.S. *see* MICUSAN V.V.
BEUSCHER H.U. & BRADE V. C3 activation by a new factor B-dependent enzyme detected in culture supernatant from guinea-pig peritoneal macrophages, 545
BEVERLEY P.C.L. *see* SMITH S.H.
BEYA M.-F. & MIYASAKA M. Studies on the differentiation of T lymphocytes in sheep. III. Preliminary characterization of an antigen recognized by two anti-pan T-cell monoclonal antibodies, 71
BHATTI A.R. *see* MICUSAN V.V.
BIAGIOTTI R. *see* ROMAGNANI S.
BIENENSTOCK J. *see* DENBURG J.A.
BIRCH M., SHARMA H.L., BELL E.B. & FORD W.L. The carriage and delivery of substances to lymphatic tissues by recirculating lymphocytes. II. Long-term selective irradiation of the spleen and lymph nodes by deposition of indium-114m, 359
BLAND P.W. & WARREN L.G. Antigen presentation by epithelial cells of the rat small intestine. I. Kinetics, antigen specificity and blocking by anti-Ia antisera, 1
BLAND P.W. & WARREN L.G. Antigen presentation by epithelial cells of the rat small intestine. II. Selective induction of suppressor T cells, 9
BLY J.E., CUCHENS M.A. & CLEM L.W. Temperature-mediated processes in teleost immunity: binding and mitogenic properties of concanavalin A with channel catfish lymphocytes, 523
BOERE W.A.M., BENAISSA-TROUW B.J., HARMSEN T., ERICH T., KRAAIJEVELD C.A. & SNIPPE H. The role of complement in monoclonal antibody-mediated protection against virulent Semliki Forest virus, 553
BÖHM L. *see* SHEPHARD E.G.
BOURNE F.J. *see* WILSON A.D.
BRADE V. *see* BEUSCHER H.U.
BRENDEL W. *see* ENDERS G.
BROCCHI E. *see* MCCULLOUGH K.C.
BROOKS C.F. & MOORE M. Presentation of a soluble bacterial antigen and cell-surface alloantigens by large granular lymphocytes (LGL) in comparison with monocytes, 343
BROWN G. *see* GORDON J.
BROWN G. *see* WALKER L.
BROWN J.F. *see* CZUPRYNSKI C.J.
BROWN M.H. *see* MCCAUGHAN G.W.
BROWN M.H. *see* SMITH S.H.
BROWN N. *see* TAUSSIG M.J.
BROWN S.J. *see* DENBURG J.A.
BULMER J.N. & JOHNSON P.M. The T-lymphocyte population in first-trimester human decidua does not express the interleukin-2 receptor, 685
BURDICK J.F. Strong cellular immune responses induced *in vivo* against minor antigens in the mouse, 615
BUTCHER R.N. *see* MCCULLOUGH K.C.

CALDER L. *see* SCADDING G.K.
CALDERON J. & TOVAR R. Loss of susceptibility to complement lysis in *Entamoeba histolytica* HM1 by treatment with human serum, 467
CALLARD R.E. *see* MCCAUGHAN G.W.
CALLARD R.E. *see* SMITH S.H.
CALOGERAS A. *see* CALVERT J.E.
CALVERT J.E. & CALOGERAS A. Characteristics of human B cells responsive to the T-independent mitogen *Branhamella catarrhalis*, 37
CAPUCCI L. *see* MCCULLOUGH K.C.
CARPENTER W.C. *see* MCCULLOUGH K.C.
CARRON J.A. & MARSHALL-CLARKE S. Concanavalin A-stimulated rat spleen cells produce a soluble factor that supports growth of the mouse IL-3-dependent cell line Ea3.123, but not three other IL-3-dependent lines, 635
CHAIN B.M., KAYE P.M. & FELDMANN M. The cellular pathway of antigen presentation: biochemical and functional analysis of antigen processing in dendritic cells and macrophages, 271
CHAIN B.M. *see* PERKINS K.A.
CHAMPION B.R., HUTCHINGS P., DAVIES S., MARSHALL-CLARKE S., COOKE A. & ROITT I.M. Helper and suppressor activities of an autoreactive mouse thyroglobulin-specific T-cell clone, 51
CHARTRAND C. *see* PELLETIER M.
CHEN J.Y., KURANO R., HIRASHIMA M. & HAYASHI H. An adhesive glycoprotein from rat ascites hepatoma cells potentiates natural cytotoxic activity by rat spleen cells, 95
CHIU B. *see* INMAN R.D.
CHONG A.S.-F. & PARISH C.R. Cell surface receptors for sulphated polysaccharides: a potential marker for macrophage subsets, 277
CHRISTENSEN P. *see* JOHANSSON P.J.H.
CLEM L.W. *see* BLY J.E.
COLLINS R.A. & OLDHAM G. Proliferative responses and IL-2 production by mononuclear cells from bovine mammary secretions, and the effect of mammary secretions on peripheral blood lymphocytes, 647
COLSTON M.J. *see* KINGSTON A.E.
COOKE A. *see* CHAMPION B.R.
COUCEIRO J. *see* SEOANE R.
CROLL A.D., WILKINSON M.F. & MORRIS A.G. Gamma-interferon production by human low-density lymphocytes induced by T-cell mitogens, 641
CROWTHER J.R. *see* MCCULLOUGH K.C.
CUCHENS M.A. *see* BLY J.E.
CZUPRYNSKI C.J. & BROWN J.F. The relative difference in anti-*Listeria* resistance of C57BL/6 and A/J mice is not eliminated by active immunization or by transfer of *Listeria*-immune T cells, 437

DAEMS W.T. *see* WOUTERS C.H.
DAVIES S. *see* CHAMPION B.R.
DE BEER F.C. *see* SHEPHARD E.G.
DEL PRETE G. *see* ROMAGNANI S.
DENBURG J.A., ASKENASE P.W., BROWN S.J. & BIENENSTOCK J. Serum basophil-stimulating activity in the guinea-pig during induction of basophilic responses to ovalbumin and tick feeding, 405
DE PINHO R.A. *see* NORIN A.J.

DESCHENES M., GUENOUNOU M., RONCO E., VACHERON F. & NAUCIEL C. Impairment of lymphocyte proliferative responses and interleukin-2 production in susceptible (C57BL/6) mice infected with *Salmonella typhimurium*, 225
DE SIMONE F. *see* MCCULLOUGH K.C.
DIEZ E. *see* HOUSSAINT E.

EAGLE K. *see* THOMPSON K.M.
EBERSOLE J.L. *see* TAUBMAN M.A.
EIRAS A. *see* SEOANE R.
ELLIS J.A., BALDWIN C.L., MACHUGH N.D., BENSAID A., TEALE A.J., GODDEERIS B.M. & MORRISON W.I. Characterization by a monoclonal antibody and functional analysis of a subset of bovine T lymphocytes that express BoT8, a molecule analogous to human CD8, 351
ELLIS S. *see* TAUSSIG M.J.
ENDERS G., GOTTWALD T. & BRENDEL W. Induction of oral tolerance in rats without Peyer's patches, 311
ENERBÄCK L. *see* ALDENBORG F.
ENNIS F.A. *see* KURANE I.
ERICH T. *see* BOERE W.A.M.
ERICH T. *see* GROENEVELD P.H.P.

FALK J. *see* INMAN R.D.
FALL M. *see* ALDENBORG F.
FARO J. *see* SEOANE R.
FEINSTEIN A. *see* TAUSSIG M.J.
FELDMANN M. *see* CHAIN B.M.
FELDMANN M. *see* KATZ D.R.
FELSTEIN M.V. *see* MOWAT A.McI.
FERRANTE A., ROWAN-KELLY B., SEOW W.K. & THONG Y.H. Depression of human polymorphonuclear leucocyte function by antimalarial drugs, 125
FORD W.L. *see* BIRCH M.
FROESE A. *see* ROTH P.A.
FUJEIDA K. *see* KATO K.
FUJIOKA Y. *see* KATO K.
FUJITA M. *see* GENG L.
FURR P.M. *see* TAYLOR-ROBINSON D.
FURUICHI K., RA C., ISERSKY C. & RIVERA J. Comparative evaluation of the effect of pharmacological agents on endocytosis and coendocytosis of IgE by rat basophilic leukaemia cells, 105

GADD M. *see* SUTTON L.
GANSBACHER B. & LEVINSON A.I. Effect of PHA-activated T cells on B-cell differentiation, 191
GAYÀ A., NIETO A., MORENO C. & VIVES J. Affinity maturation in the arsonate system: lack of dominance of high-affinity antibody subpopulations, 541
GENG L., IWABUCHI K., SAKAI S., OGASAWARA M., FUJITA M., OGASAWARA K., KAKINUMA M., GOOD R.A., MORIKAWA K. & ONOÉ K. Analysis of synthetic sites of fourth and fifth components of serum complement system in allogeneic bone marrow chimaeras, 453
GERLIER D. *see* BAKOUCHE O.
GIBSON S. & MILLER H.R.P. Mast cell subsets in the rat distinguished immunohistochemically by their content of serine proteinases, 101
GIBSON T. *see* THOMPSON K.M.
GIUDIZI M.G. *see* ROMAGNANI S.
GODDEERIS B.M. *see* ELLIS J.A.
GOOD R.A. *see* GENG L.
GORDON J., WALKER L., GUY G., BROWN G., ROWE M. & RICKINSON A. Control of human B-lymphocyte replication. II. Transforming Epstein–Barr virus exploits three distinct viral signals to undermine three separate control points in B-cell growth, 591
GORDON J. *see* WALKER L.
GORICK B.D. *see* THOMPSON K.M.
GOTTWALD T. *see* ENDERS G.
GRANT C. *see* TURNER M.W.
GREEN J.R. *see* ARVIEUX J.
GRENCIS R.K. *see* RIEDLINGER J.
GROENEVELD P.H.P., ERICH T. & KRAAL G. The differential effects of bacterial lipopolysaccharide (LPS) on splenic non-lymphoid cells demonstrated by monoclonal antibodies, 285
GROOTENHUIS J. *see* RURANGIRWA F.R.
GUENOUNOU M. *see* DESCHENES M.
GUY G. *see* GORDON J.
GUY G. *see* WALKER L.

HAFNER S. *see* JUNGI T.W.
HALLET M.-M. *see* HOUSSAINT E.
HAMADA N. *see* KATO K.
HARBER M.J. *see* WILLIAMS J.D.
HARMSEN T. *see* BOERE W.A.M.
HARVEY B. *see* TURNER M.W.
HAYASHI H. *see* CHEN J.Y.
HEAP R.B. *see* TAUSSIG M.J.
HEBBLEWAITE D. *see* KURANE I.
VAN HELDEN P.D. *see* SHEPHARD E.G.
HIGGINS D.A. *see* NG P.L.K.
HIRASHIMA M. *see* CHEN J.Y.
HOLBURN A.M. *see* THOMPSON K.M.
HOLLIMAN A. *see* TAUSSIG M.J.
HOLT P.G. *see* MAYRHOFER G.
HOUSSAINT E., DIEZ E. & HALLET M.-M. The bursal microenvironment: phenotypic characterization of the epithelial component of the bursa of Fabricius with the use of monoclonal antibodies, 43
HOWIE S.E.M., NORVAL M., MAINGAY J. & ROSS J.A. Two phenotypically distinct T cells (Lyl^+2^-) and (Lyl^-2^+) are involved in ultraviolet-B light-induced suppression of the efferent DTH response to HSV-1 *in vivo*, 653
HUGHES-JONES N.C. *see* THOMPSON K.M.
HUSBAND A.J. *see* SCICCHITANO R.
HUTCHINGS P. *see* CHAMPION B.R.

INAGE H. *see* KOYAMA A.
INMAN R.D., CHIU B., JOHNSTON M.E.A. & FALK J. Molecular mimicry in Reiter's syndrome: cytotoxicity and ELISA studies of HLA–microbial relationships, 501
ISERSKY C. *see* FURUICHI K.
ISHIHARA C. *see* KATO K.
ISSEKUTZ T.B., WEBSTER D.M. & STOLTZ J.M. Lymphocyte recruitment in vaccinia virus-induced cutaneous delayed-type hypersensitivity, 87
IWABUCHI K. *see* GENG L.

JANSE M. *see* KRAAL G.
JEFFERIES W.A. *see* ARVIEUX J.
JOHANSSON P.J.H., SCHRÖDER A.K., NARDELLA F.A., MANNIK M. & CHRISTENSEN P. Interaction between herpes simplex type 1-induced Fc receptor and human and rabbit immunoglobulin G (IgG) domains, 251
JOHNSON P.M. *see* BULMER J.N.
JOHNSTON M.E.A. *see* INMAN R.D.
JOKINEN I. *see* RÄSÄNEN L.
JUNGI T.W. & HAFNER S. Quantitative assessment of Fc receptor expression and function during *in vitro* differentiation of human monocytes to macrophages, 131

KAKINUMA M. *see* GENG L.
KARSTAD L. *see* RURANGIRWA F.R.
KATO K., HAMADA N., MIZUKOSHI N., YAMAMOTO K.-I., KIMURA T., ISHIHARA C., FUJIOKA Y., KATO T., FUJIEDA K. & MATSUURA N. Depression of delayed-type hypersensitivity in mice with hypothalamic lesion induced by monosodium glutamate: involvement of neuroendocrine system in immunomodulation, 389
KATO T. *see* KATO K.
VAN KATS-RENAUD J.H. *see* VAN KESSEL K.P.M.
KATZ D.R., FELDMANN M., TEES R. & SCHREIER M.H. Heterogeneity of accessory cells interacting with T-helper clones, 167
KAYE P.M. *see* CHAIN B.M.
KENNEDY M.W. & QURESHI F. Stage-specific secreted antigens of the parasitic larval stages of the nematode *Ascaris*, 515
VAN KESSEL K.P.M., VISSER M.R., VAN STRIJP J.A.G., VAN KATS-RENAUD J.H. & VERHOEF J. Cytotoxicity by human adherent cells: oxygen-dependent and -independent cytotoxic reactions by different cell populations, 291
KIMURA T. *see* KATO K.
KINGSTON A.E., STAGG A.J. & COLSTON M.J. Investigation of antigen

cross-reactivity of *Mycobacterium leprae*-reactive murine T-cell lines and clones, 217
KITAMURA H., TSUBOI M. & NAGAKI K. The activation of C5 in the fluid phase and in the absence of C3 through the classical pathway of the complement system, 459
KOBAYASHI M. *see* KOYAMA A.
KÖNIG W. *see* RAULF M.
KOPER G.J.M. *see* WOUTERS C.H.
KOYAMA A., INAGE H., KOBAYASHI M., NAKAMURA H., NARITA M. & TOJO S. Effect of chemical modification of antigen on characteristics of immune complexes and their glomerular localization in the murine renal tissues, 535
KOYAMA A., INAGE H., KOBAYASHI M., NARITA M. & TOJO S. Effect of chemical cationization of antigen on glomerular localization of immune complexes in active models of serum sickness nephritis in rabbits, 529
KRAAIJEVELD C.A. *see* BOERE W.A.M.
KRAAL G. & JANSE M. Marginal metallophilic cells of the mouse spleen identified by a monoclonal antibody, 665
KRAAL G. *see* GROENEVELD P.H.P.
KRIPKE M.L. *see* ULLRICH S.E.
KURANE I., HEBBLEWAITE D. & ENNIS F.A. Characterization with monoclonal antibodies of human lymphocytes active in natural killing and antibody-dependent cell-mediated cytotoxicity of dengue virus-infected cells, 429
KURANO R. *see* CHEN J.Y.

LANDRY D. *see* PELLETIER M.
LAREO I. *see* SEOANE R.
LEHTO M. *see* RÄSÄNEN L.
LEINIKKI P. *see* RÄSÄNEN L.
LEVINSKY R.J. *see* TURNER M.W.
LEVINSON A.I. *see* GANSBACHER B.
LIU H. & SPLITTER G.A. Localization of antigen-specific lymphocytes following lymph node challenge, 371

MCCAUGHAN G.W., BROWN M.H. & CALLARD R.E. Regulation of antibody production by an antigen-specific EBV-transformed B-lymphoblastoid cell line: effect of high-dose antigen and antigen-pulsed T cells, 597
MCCULLOUGH K.C., CROWTHER J.R., BUTCHER R.N., CARPENTER W.C., BROCCHI E., CAPUCCI L. & DE SIMONE F. Immune protection against foot-and-mouth disease virus studied using virus-neutralizing and non-neutralizing concentrations of monoclonal antibodies, 421
MACHUGH N.D. *see* ELLIS J.A.
MACKENZIE S. *see* MOWAT A.MCI.
MCLAUGHLIN H. *see* MELINN M.
MACHEN L.L. *see* WINKELSTEIN A.
MAINGAY J. *see* HOWIE S.E.M.
MAINI R.N. *see* WILLIAMS D.G.
MANNIK M. *see* JOHANSSON P.J.H.
MARSHALL-CLARKE S. *see* CARRON J.A.
MARSHALL-CLARKE S. *see* CHAMPION B.R.
MASON D.Y. *see* SUTTON L.
MATSUURA N. *see* KATO K.
MAYRHOFER G., HOLT P.G. & PAPADIMITRIOU J.M. Functional characteristics of the veiled cells in afferent lymph from the rat intestine, 379
MAZZETTI M. *see* ROMAGNANI S.
MELAMED M.D. *see* THOMPSON K.M.
MELINN M. & MCLAUGHLIN H. Hydroxyl radical scavengers inhibit human lectin-dependent cellular cytotoxicity, 197
MERCIER G. *see* MICUSAN V.V.
MICUSAN V.V., MERCIER G., BHATTI A.R., REISER R.F., BERGDOLL M.S. & OTH D. Production of human and murine interleukin-2 by toxic shock syndrome toxin-1, 203
MILLER H.R.P. *see* GIBSON S.
MILNER A.E. *see* WALKER L.
MITCHELL B.S. & PEEL S. Leucocyte surface antigens in metrial gland tissue of ovariectomized pregnant rats, deciduomata-bearing rats and in uterine tissue of non-pregnant rats, 297
MIYASAKA M. *see* BEYA M.-F.
MIZUKOSHI N. *see* KATO K.
MONTPLAISIR S. *see* PELLETIER M.
MOORE K. & NESBITT A.M. Identification and isolation of OKT4$^+$ suppressor cells with the monoclonal antibody WR16, 659
MOORE M. *see* BROOKS C.F.
MORENO C. *see* GAYÀ A.
MORIKAWA K. *see* GENG L.
MORRIS A.G. *see* CROLL A.D.
MORRISON W.I. *see* ELLIS J.A.
MOWAT A.MCI. Depletion of suppressor T cells by 2′-deoxyguanosine abrogates tolerance in mice fed ovalbumin and permits the induction of intestinal delayed-type hypersensitivity, 179
MOWAT A.MCI., MACKENZIE S., BACA M.E., FELSTEIN M.V. & PARROTT D.M.V. Functional characteristics of intraepithelial lymphocytes from mouse small intestine. II. *In vivo* and *in vitro* responses of intraepithelial lymphocytes to mitogenic and allogeneic stimuli, 627
MOWAT A.MCI., THOMAS M.J., MACKENZIE S. & PARROTT D.M.V. Divergent effects of bacterial lipopolysaccharide on immunity to orally administered protein and particulate antigens in mice, 677
MUSHI E.Z. *see* RURANGIRWA F.R.
MUSOKE A.J. *see* RURANGIRWA F.R.

NAGAKI K. *see* KITAMURA H.
NAKAMURA H. *see* KOYAMA A.
NAKAMURA S., SANUI H. & NOMOTO K. Relationship between the tuberculin-type and Jones–Mote-type hypersensitivities: suppression of basophil infiltration by mycobacterial adjuvant, 397
NANTULYA V.M. *see* RURANGIRWA F.R.
NARDELLA F.A. *see* JOHANSSON P.J.H.
NARITA M. *see* KOYAMA A.
NAUCIEL C. *see* DESCHENES M.
NESBITT A.M. *see* MOORE K.
NEWSOM-DAVIS J. *see* SCADDING G.K.
NG P.L.K. & HIGGINS D.A. Bile immunoglobulin of the duck (*Anas platyrhynchos*). I. Preliminary characterization and ontogeny, 323
NIETO A. *see* GAYÀ A.
NJUGUNA L. *see* RURANGIRWA F.R.
NKONGE C. *see* RURANGIRWA F.R.
NOMOTO K. *see* NAKAMURA S.
NORIN A.J. & DE PINHO R.A. Rate and efficiency of complement-dependent phagocytosis in cytolytic and non-cytolytic inflammatory macrophages, 561
NORVAL M. *see* HOWIE S.E.M.

OGASAWARA K. *see* GENG L.
OGASAWARA M. *see* GENG L.
OLDHAM G. *see* COLLINS R.A.
ONOÉ K. *see* GENG L.
OTH D. *see* MICUSAN V.V.
OTTESKOG P. *see* SUNDQVIST K.-G.

PAPADIMITRIOU J.M. *see* MAYRHOFER G.
PARISH C.R. *see* CHONG A.S.-F.
PARKHOUSE R.M.E. *see* ANDREW E.M.
PARROTT D.M.V. *see* MOWAT A.MCI.
PATERSON D. *see* ARVIEUX J.
PATTERSON R. *see* PRUZANSKY J.J.
PEAT D. *see* TAUSSIG M.J.
PEEL S. *see* MITCHELL B.S.
PELLETIER M., TAUTU C., LANDRY D., MONTPLAISIR S., CHARTRAND C. & PERREAULT C. Characterization of human thymic dendritic cells in culture, 263
PERKINS K.A. & CHAIN B.M. Presentation by peritoneal macrophages: modulation by antibody–antigen complexes, 15
PERREAULT C. *see* PELLETIER M.
PESCOVITZ M.D. *see* RABINOWITZ R.
PIAZZA P. *see* VILLA M.L.
PLOEM J.S. *see* WOUTERS C.H.
PRIOR C. *see* SCADDING G.K.
PRUZANSKY J.J. & PATTERSON R. Binding constants of IgE receptors on human blood basophils for IgE, 257

QURESHI F. *see* KENNEDY M.W.

RA C. *see* FURUICHI K.

RABINOWITZ R., PESCOVITZ M.D. & SACHS D.H. Anti-idiotype to monoclonal anti-swine SLA antibody detects a common idiotype shared by mouse anti-SLA sera and elicits an anti-SLA activity, 607
RAO M. *see* ROTH P.A.
RAPPOCCIOLO G. *see* VILLA M.L.
RÄSÄNEN L., LEHTO M., JOKINEN I. & LEINIKKI P. Polyclonal antibody formation of human lymphocytes to bacterial components, 577
RAULF M., STÜNING M. & KÖNIG W. Effect of cations on leukotriene release: requirements for the metabolism of peptido-leukotrienes (leukotrienes C_4, D_4) by human polymorphonuclear granulocytes, 479
REDMAN C.W.G. *see* SUTTON L.
REGUEIRO B.J. *see* SEOANE R.
REISER R.F. *see* MICUSAN V.V.
RICCI M. *see* ROMAGNANI S.
RICHARDSON N. *see* TAUSSIG M.J.
RICKINSON A. *see* GORDON J.
RIEDLINGER J., GRENCIS R.K. & WAKELIN D. Antigen-specific T-cell lines transfer protective immunity against *Trichinella spiralis in vivo*, 57
RIVERA J. *see* FURUICHI K.
ROITT I.M. *see* CHAMPION B.R.
ROMAGNANI S., DEL PRETE G., GIUDIZI M.G., BIAGIOTTI R., ALMERIGOGNA F., TIRI A., ALESSI A., MAZZETTI M. & RICCI M. Direct induction of human B-cell differentiation by recombinant interleukin-2, 31
RONCO E. *see* DESCHENES M.
ROSS J.A. *see* HOWIE S.E.M.
ROTH P.A., RAO M. & FROESE A. Disulphide-linked receptors for IgE on rat basophilic leukaemia cells, 671
ROWAN-KELLY B. *see* FERRANTE A.
ROWE D. *see* SMITH S.H.
ROWE M. *see* GORDON J.
ROWE M. *see* WALKER L.
RURANGIRWRA F.R., MUSOKE A.J., NANTULYA V.M., NKONGE C., NJUGUNA L., MUSHI E.Z., KARSTAD L. & GROOTENHUIS J. Immune effector mechanisms involved in the control of parasitaemia in *Trypanosoma brucei*-infected wildebeest (*Connochaetes taurinus*), 231

SACHS D.H. *see* RABINOWITZ R.
SAKAI S. *see* GENG L.
SALARI H. Immunological and non-immunological release of leukotrienes and histamine by guinea-pig heart, 473
SANUI H. *see* NAKAMURA S.
SCADDING G.K., CALDER L., VINCENT A., PRIOR C., WRAY D. & NEWSOM-DAVIS J. Anti-acetylcholine receptor antibodies induced in mice by syngeneic receptor without adjuvants, 151
SCHREIER M.H. *see* KATZ D.R.
SCHRÖDER A.K. *see* JOHANSSON P.J.H.
SCICCHITANO R., SHELDRAKE R.F. & HUSBAND A.J. Origin of immunoglobulins in respiratory tract secretion and saliva of sheep, 315
SEONANE R., FARO J., EIRAS A., LAREO I., COUCEIRO J. & REGUEIRO B.J. Effects of antigen and internal environment on anti-phosphorylcholine immune responses of autoimmune aged NZB/W F1 mice, 329
SEOW W.K. *see* FERRANTE A.
SEWELL H.F. *see* WAITES G.T.
SEYMOUR N.D. *see* TURNER M.W.
SHADDUCK R.K. *see* WINKELSTEIN A.
SHARMA H.L. *see* BIRCH M.
SHELDRAKE R.F. *see* SCICCHITANO R.
SHEPHARD E.G., VAN HELDEN P.D., STRAUSS M., BÖHM L. & DE BEER F.C. Functional effects of CRP binding to nuclei, 489
SIMON P.L. *see* WINKELSTEIN A.
SMITH D.J. *see* TAUBMAN M.A.
SMITH P.R. *see* WILLIAMS D.G.
SMITH R.H. & ZIOLA B. Cyclophosphamide and dimethyl dioctadecyl ammonium bromide immunopotentiate the delayed-type hypersensitivity response to inactivated enveloped viruses, 245
SMITH S.H., BROWN M.H., ROWE D., CALLARD R.E. & BEVERLEY P.C.L. Functional subsets of human helper-induced cells defined by a new monoclonal antibody, UCHL1, 63
SNIPPE H. *see* BOERE W.A.M.
SOELTER J. & UHLENBRUCK G. The role of phosphate groups in the interaction of human C-reactive protein with galactan polysaccharides, 139
SPENCE V.A. *see* SWANSON BECK J.
SPLITTER G.A. *see* LIU H.
STAGG A.J. *see* KINGSTON A.E.
STOCKS M.R. *see* WILLIAMS D.G.
STOKES C.R. *see* WILSON A.D.
STOLTZ J.M. *see* ISSEKUTZ T.B.
STRAUSS M. *see* SHEPHARD E.G.
VAN STRIJP J.A.G. *see* VAN KESSEL K.P.M.
STÜNING M. *see* RAULF M.
SUNDQVIST K.-G. & OTTESKOG P. Anchorage and lymphocyte function: collagen and the maintenance of motile shape in T cells, 365
SUTTON L., GADD M., MASON D.Y. & REDMAN C.W.G. Cells bearing Class II MHC antigens in the human placenta and amniochorion, 23
SWANSON BECK J. & SPENCE V.A. Patterns of blood flow in the microcirculation of the skin during the course of the tuberculin reaction in normal human subjects, 209

TAUBMAN M.A., EBERSOLE J.L. & SMITH D.J. Immunoglobulin levels of congenitally athymic rats immunized with thymus-dependent-independent antigens, 145
TAUSSIG M.J., BROWN N., ELLIS S., HOLLIMAN A., PEAT D., RICHARDSON N., HEAP R.B. & FEINSTEIN A. Anti-idiotypic sera against monoclonal anti-progesterone antibodies: production in rabbits and rats and characterization of specificity, 445
TAUTU C. *see* PELLETIER M.
TAYLOR P.M. & ASKONAS B.A. Influenza nucleoprotein-specific cytotoxic T-cell clones are protective *in vivo*, 417.
TAYLOR-ROBINSON D. & FURR P.M. Immunity to mycoplasmal infection of the genital tract: a mouse model, 239
TEALE A.J. *see* ELLIS J.A.
TEES R. *see* KATZ D.R.
THOMAS M.J. *see* MOWAT A.MCI.
THOMPSON K.M., MELAMED M.D., EAGLE K., GORICK B.D., GIBSON T., HOLBURN A.M. & HUGHES-JONES N.C. Production of human monoclonal IgG and IgM antibodies with anti-D (rhesus) specificity using heterohybridomas, 157
THOMSON A.W. *see* WAITES G.T.
THONG Y.H. *see* FERRANTE A.
TIRI A. *see* ROMAGNANI S.
TOJO S. *see* KOYAMA A.
TOPLEY N. *see* WILLIAMS J.D.
TOVAR R. *see* CALDERON J.
TSUBOI M. *see* KITAMURA H.
TURNER M.W., GRANT C., SEYMOUR N.D., HARVEY B. & LEVINSKY R.J. Evaluation of C3b/C3bi opsonization and chemiluminescence with selected yeasts and bacteria using sera of different opsonic potential, 111

UHLENBRUCK G. *see* SOELTER J.
ULLRICH S.E., YEE G.K. & KRIPKE M.L. Suppressor lymphocytes induced by epicutaneous sensitization of UV-irradiated mice control multiple immunological pathways, 185

VACHERON F. *see* DESCHENES M.
VERHOEF J. *see* VAN KESSEL K.P.M.
VILLA M.L., RAPPOCCIOLO G. & PIAZZA P. Primary *in vitro* antibody response in humans: role of adherent cells in the development of haemolytic colonies, 569
VINCENT A. *see* SCADDING G.K.
VISSER M.R. *see* VAN KESSEL K.P.M.
VIVES J. *see* GAYÀ A.
DE VRIES E. *see* WOUTERS C.H.

WAHEED A. *see* WINKELSTEIN A.
WAITES G.T., THOMSON A.W., SEWELL H.F. & BELL S.C. Detection and immunohistochemical localization of α_1-pregnancy-associated protein (α_1-PAP) in rats, 303
WAKELIN D. *see* RIEDLINGER J.
WALKER L., GUY G., BROWN G., ROWE M., MILNER A.E. & GORDON J. Control of human B-lymphocyte replication. I. Characterization of novel activation states that precede the entry of G_0 B cells into cycle, 583

WALKER L. *see* GORDON J.
WARREN L.G. *see* BLAND P.W.
WEBSTER D.M. *see* ISSEKUTZ T.B.
VAN DER WEIJ J.P. *see* WOUTERS C.H.
WILKINSON M.F. *see* CROLL A.D.
WILLIAMS A.F. *see* ARVIEUX J.
WILLIAMS D.G., STOCKS M.R., SMITH P.R. & MAINI R.N. Murine lupus monoclonal antibodies define five epitopes on two different Sm polypeptides, 495
WILLIAMS J.D., TOPLEY N., ALOBAIDI H.M. & HARBER M.J. Activation of human polymorphonuclear leucocytes by particulate zymosan is related to both its major carbohydrate components: glucan and mannan, 117
WILSON A.D., STOKES C.R. & BOURNE F.J. Responses of intraepithelial lymphocytes to T-cell mitogens: a comparison between murine and porcine responses, 621
WINKELSTEIN A., SIMON P.L., WOOD D., MACHEN L.L., SHADDUCK R.K. & WAHEED A. The effects of interleukins and other soluble factors on T-lymphocyte colony formation, 173
WOOD D. *see* WINKELSTEIN A.
WOUTERS C.H., VAN DER WEIJ J.P., KOPER G.J.M., DAEMS W.T., DE VRIES E. & PLOEM J.S. Measurement of single-cell DNA synthesis by pokeweed mitogen-stimulated mononuclear cells with combined light and scanning electron microscopy, 79
WRAY D. *see* SCADDING G.K.

YAMAMOTO K.-I. *see* KATO K.
YEE G.K. *see* ULLRICH S.E.

ZIOLA B. *see* SMITH R.H.

Subject Index

Accessory cells, heterogeneity:
  reacting with T-cell clones, 167
Acetylcholine receptor, antibodies:
  induced by syngeneic receptor, 151
Adherent cell cytotoxicity, human:
  role of oxygen products, 291
Adherent cells, and human antibody responses, 569
Affinity maturation:
  lack of dominance of high-affinity subpopulations, 541
Anchorage and lymphocyte function, 365
Antibody–antigen complexes:
  modulation of presentation by peritoneal macrophages, 15
Antigen presentation by intestinal epithelial cells:
  kinetics, Ag-specificity and blocking by anti-Ia, selective induction of T_s cells, 9
Antigen presentation by large granular lymphocytes and monocytes, 343
Antigen processing:
  by dendritic cells and macrophages, 271
Antigen-specific lymphocyte localization, 371
Anti-idiotypic sera:
  against anti-progesterone antibodies, 445
Anti-malarial drugs:
  effect on PMN function, 125
Ascaris:
  stage-specific secreted antigens, 515
Athymic rats:
  immunoglobulin levels, 145
Autoimmune NZB/W F1 mice:
  effect of antigen and internal environment on anti-PC responses, 329
Autoreactive T-cell clone:
  helper and suppressor activities, 51

Basophilic responses:
  to ovalbumin and tick feeding, 405
B cells:
  responsive to T-independent mitogen *B. catarrhalis*, 37
B-cell differentiation:
  effect of PHA-activated T cells, 191
  induction by recombinant IL-2, 31
Bile immunoglobulin:
  of the duck, 323
B-lymphocyte replication, human:
  control of, 583, 591
Bovine T lymphocyte subset:
  expressing BoT8 analogous to human CD8, 351
Bursal microenvironment:
  phenotypic characterization of epithelial component of the bursa of Fabricius, 43
Bursa of Fabricius:
  phenotypic characterization of epithelial component, 43

C3 activation:
  by a new factor B-dependent enzyme from guinea-pig peritoneal macrophages, 545
C3b/C3bi opsonization and chemiluminescence, 111
C4 and C5 synthesis:
  in allogeneic bone marrow chimaeras, 453
C5 activation:
  fluid phase, C3 independent, 459
Cationized antigen:
  effect on passive serum sickness in mice, 535
Cationized antigen and membranous nephropathy:
  in active serum sickness in rabbits, 529
Class II MHC antigens:
  in human placenta and amniochorion, 23
Complement:
  role in monoclonal antibody-mediated protection against Semliki Forest virus, 553
Complement-dependent phagocytosis:
  in inflammatory macrophages, 561
Complement lysis:
  resistance to, in *E. histolytica*, 467
C-reactive protein, human:
  role of phosphate in interaction with galactan, 139
Cross-reactivity of T-cell lines and clones, 217
CRP:
  functional effects of binding to nuclei, 489
Cutaneous delayed-type hypersensitivity:
  lymphocyte recruitment, 87
Cytotoxic lymphocytes:
  to dengue-infected cells, 429
Cytotoxic T-cell clones, influenza-specific:
  protective *in vivo*, 417

Delayed-type hypersensitivity:
  depression due to hypothalamic lesion, 389
  to enveloped viruses, immunopotentiation of, 245
Dendritic cells:
  antigen processing, 271
  human thymic, characterization, 263
Dengue-infected cells:
  cytotoxic lymphocyte killing, 429
2′-Deoxyguanosine:
  depletion of T_s abrogates tolerance and permits induction of intestinal DTH, 179

Endocytosis and coendocytosis of IgE:
  effect of drugs on, 105
Epithelial cells, intestinal:
  antigen presentation by, 1
  T-suppressor cell induction, 9

Fc receptor:
  expression and function during *in vitro* differentiation, 131
  HSV-1 induced, interaction with human and rabbit IgG domains, 251
Foot-and-mouth disease virus:
  protection using monoclonal antibodies, 421

Helper-inducer cells, human:
  functional subsets, 63
Heterohybridomas:
  production of human monoclonal anti-D antibodies, 157
HLA–microbial relationships in molecular mimicry, 501
Human monoclonal antibodies:
  with anti-D specificity, 157
Hydroxyl radical scavengers:
  inhibition of human lectin-dependent cytotoxicity, 197
Hypothalamic lesion:
  depression of DTH response, 389

Ia antigens:
immune induction in activated T cells and kidney epithelial cells in mice, 603
Idiotype, public:
on anti-swine SLA antisera, 607
IgE
effect of drugs on endocytosis and coendocytosis, 105
IgE receptors, disulphide-linked:
on rat basophilic leukaemia cells, 671
IgE receptors, on human basophils:
binding constants for IgE, 257
IgG domains, human and rabbit:
interaction with HSV-1 induced Fc receptor, 251
IL-2, human and murine:
production by toxic shock syndrome toxin-1, 203
IL-2 production:
impairment in *S. typhimurium*-infected mice, 225
IL-2 receptor:
not expressed on T cells in first-trimester human decidua, 685
IL-2, recombinant:
direct induction of human B-cell differentiation, 31
IL-3-dependent lines:
growth supported by rat growth factor, 635
Immune effector mechanisms:
control of *T. brucei* infection, 231
Immunogenicity, of tumour virus antigens:
enhancement by liposomes, 507
Immunoglobulins:
origins of, in respiratory tract secretion and saliva of sheep, 315
Immunoglobulin levels:
in congenitally athymic rats, 145
Immunomodulation:
involvement of neuroendocrine system, 389
Immunopotentiation:
of DH responses to enveloped viruses by cyclophosphamide and dimethyl dioctadecyl ammonium bromide, 245
Immunoregulation:
of an antigen-specific B-cell line, 597
Influenza nucleoprotein-specific T-cell clones:
in vivo protection by, 417
Interferon-γ:
produced by human low-density lymphocytes induced by T-cell mitogens, 641
Interleukins:
effect of T-lymphocyte colony formation, 173
Intraepithelial lymphocytes:
responses to mitogenic and allogenic stimuli, 627
responses to T-cell mitogens, 621

Jones–Mote hypersensitivity:
suppression of basophil infiltration by mycobacterial adjuvant, 397

Lectin-dependent cellular cytotoxicity:
inhibition by hydroxyl radical scavengers, 197
Leucocyte surface antigens:
in rat uterus, 297
Leukotriene release:
effect of cations, 479
Leukotrienes and histamine:
immunological and non-immunological release, 473
Liposomes:
enhancement of immunogenicity of tumour virus antigens, 507
Listeriosis:
immunization and genetic resistance, 437
Localization of antigen-specific lymphocytes, 371
LPS:
divergent effects on immunity to oral antigens, 677
effect on splenic non-lymphoid cells, 285
Lymphocyte recruitment:
in delayed-type hypersensitivity, 87

Macrophages:
receptors for sulphated polysaccharides, 277
Mantoux reaction:
circulatory changes, 209
Mast cells, mucosal:
proliferation and transepithelial migration, 411
Mast cell subsets:
immunohistochemical characterization, 101
Membranous nephropathy and cationized antigen:
in active serum sickness in rabbits, 529
Metallophilic cells, marginal:
of spleen, 665
Minor antigens:
cellular immune responses to, *in vivo*, 615
Molecular mimicry in Reiter's syndrome:
HLA–microbial relationships, 501
Monoclonal antibodies, to leucocyte antigen:
blocks T-cell responses via effect on accessory cells, 337
Mononuclear cells, mammary gland:
response to mitogens, 647
Murine lupus monoclonal antibodies:
definition of Sm polypeptide epitopes, 495
Mycoplasma infection, of genital tract:
immunity to, 239

NK cell cytotoxicity:
potentiated by an adhesive glycoprotein, 95

$OKT4^+$ suppressor cells:
identification and isolation, 659
Oral tolerance:
in rats without Peyer's patches, 311

Peptido-leukotrienes (LTC_4, LTD_4):
requirements for metabolism by human PMN, 479
Polyclonal antibody formation:
to bacterial components, 577
Polymorphonuclear leucocyte function, human:
depression by anti-malarial drugs, 125
Polymorphonuclear leucocytes, human:
activation by zymosan, 117
α_1-Pregnancy-associated protein:
detection and immunohistochemical localization, 303
Presentation by peritoneal macrophages:
modulation by antibody–antigen complexes, 15

Rat growth factor:
supports some IL-3-dependent lines, 635
Recirculating lymphocytes:
as delivery vehicles for In-111m, 359

Salmonella typhimurium infection of mice:
impairment of lymphocyte proliferation and IL-2 production, 225
Secreted antigens:
Ascaris, stage-specific, 515
Semliki Forest virus infection:
role of complement in monoclonal antibody-mediated protection, 553
Serine proteinases:
in mast cell subsets, 101
Single-cell DNA synthesis:
by PWM-stimulated mononuclear cells, 79
Sm polypeptides:
five epitopes defined by lupus monoclonal antibodies, 495
Spleen, marginal metallophilic cells:
identification, 665
Suppressor T lymphocytes:
in UV-irradiated mice, control multiple immunological pathways, 185

T cells:
in first-trimester decidua do not express the IL-2 receptor, 685
PHA-activated, effect on B-cell differentiation, 191
T-cell clone, autoreactive:
helper and suppressor activities, 51

T-cell clones and lines:
cross-reactivity of *M. leprae*-reactive, 217
T-cell lines:
parasite-specific, 57
T-cell responses:
blocked by monoclonal antibodies acting via accessory cells, 337
Teleost immunity:
temperature effects on Con A binding by lymphocytes, 523
T-helper clones:
interaction with accessory cells, 167
T-independent mitogen, *B. catarrhalis*:
characteristics of B cells reponsive to, 37
T lymphocytes:
differentiation of, in sheep, 71
T-lymphocyte colony formation:
effect of interleukins and other soluble factors, 173
Toxic shock syndrome toxin-1:
production of human and murine IL-2, 203
Trypanosoma brucei infection:
of wildebeest, immune effector mechanisms, 231
Tuberculin and Jones–Mote hypersensitivities:
relationship between, 397

UV-B-induced suppression of DTH to HSV-1 *in vivo*, 653

Veiled cells:
in intestinal afferent lymph, 379

Zymosan:
activation of human PMNs related to both glucan and mannan, 117